

Development Services Department Inspection Services Division 9601 Ridgehaven Court, Suite 220 San Diego, CA 92123 • (858) 492-5070 Call (858) 581-7111 for Inspection

Circuit Card

(Supplemental)

Page _____ of ____

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						OF THIS 'SUPPLEMENTAL' CIRCUIT RIMARY' CIRCUIT CARD AS PAGE 1.						Breaker Size: A Wire Size: G					G	Breaker Size: A Wire Size: G						
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SINGLE FAMILY DWELLING ELECTRICAL SERVICE LOAD CALCULATION

OPTIONAL METHOD - 2001 CALIFORNIA ELECTRICAL CODE SECTION 220-30 (Based on 1999 NEC)

As an alternative method the STANDARD METHOD found in Article 220 of the National Electrical Code, may be used

1. GENERAL LIGHTING LOADS					
Dwelling S	Sq. Ft. x 3 VA (220-30 (b) (2) =	VA			
Small appliance loads (220-30 (b) (1) 1500 V	/A x circuits =	_ VA			
Laundry load (220-30 (b) (1) 1500 VA x	circuits =	_ VA			
	General Lighting Load Total:	_ VA			
2. COOKING EQUIPMENT LOADS (220-30 (b	b) (3) - Nameplate Value(s)				
Cooktop(s)	VA				
Oven(s)	VA				
Range(s)	VA				
	Cooking Equipment Load Total:	VA			
3. ELECTRIC DRYER (220-30 (b) (3), (Namepl	late, 5000 VA minimum)				
Dryer(s)	VA				
	Dryer Load Total:	_ VA			
4. FIXED APPLIANCE LOADS (220-30 (b) (3)					
Compactor	VA Water Heater	_ VA			
Dishwasher	VA Built-in Vacuum	_ VA			
Disposal	VA Hydromassage Bathtub	_ VA			
Microwave	VA Other	_ VA			
	Fixed Appliance Load Total	_ VA			
5. MOTOR LOAD(s) (220-30 (b) (4) - Nameplat	_ VA				
6. OPTIONAL LOAD SUBTOTAL (Add all o	VA				
7. APPLYING DEMAND FACTORS - (220-30)	(b))				
First 10,000 VA (Optional Load Subtotal from	m line 6) x 100% = 10,000	<u>0</u> VA			
Remaining optional load (subtotal from line 5	5-10,000 VA) = VA x 40% =	_ VA			
8. HEATING OR AC LOAD (220-30(c))					
Larger of the Heatin	g or AC Load =	_ VA			
9. OPTIONAL LOADS TOTAL (Total from	_ VA				
10. COMPUTED LOAD = $\frac{\text{Optional Loa}}{240 \text{ Vo}}$		_ Amperes*			
11. MINIMUM SERVICE SIZE REQUIRED:	_ Amperes				

^{* (}Please put total on front of 'Primary' Circuit Card under Computed Load)